

JAVA.IO.DATAOUTPUTSTREAM CLASS

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Introduction

The **java.util.DataOutputStream** class lets an application write primitive Java data types to an output stream in a portable way. An application can then use a data input stream to read the data back in.

Class declaration

Following is the declaration for **java.util.DataOutputStream** class:

```
public class DataOutputStream
    extends FilterOutputStream
    implements DataOutput
```

Field

Following are the fields for **java.util.DataOutputStream** class:

- **protected int written** -- This is the number of bytes written to the data output stream so far.
- **protected OutputStream out** -- This is the underlying output stream to be filtered.

Class constructors

S.N.	Constructor & Description
1	DataOutputStream(OutputStream out) This creates a new data output stream to write data to the specified underlying output stream.

Class methods

S.N.	Method & Description
1	<u>void flush()</u> This method flushes this data output stream.
2	<u>int size()</u> This method returns the current value of the counter written, the number of bytes written to this data output stream so far.
3	<u>void write(byte[] b, int off, int len)</u> This method writes len bytes from the specified byte array starting at offset off to the underlying output stream.
4	<u>void write(int b)</u> This method writes the specified byte (the low eight bits of the argument b) to the underlying output stream.
5	<u>void writeBoolean(boolean v)</u>

	This method writes a boolean to the underlying output stream as a 1-byte value.
6	<u>void writeByte(int v)</u> This method writes out a byte to the underlying output stream as a 1-byte value.
7	<u>void writeBytes(String s)</u> This method writes out the string to the underlying output stream as a sequence of bytes.
8	<u>void writeChar(int v)</u> This method writes a char to the underlying output stream as a 2-byte value, high byte first..
9	<u>void writeChars(String s)</u> This method writes a string to the underlying output stream as a sequence of characters.
10	<u>void writeDouble(double v)</u> This method converts the double argument to a long using the doubleToLongBits method in class Double, and then writes that long value to the underlying output stream as an 8-byte quantity, high byte first.
11	<u>void writeFloat(float v)</u> This method converts the float argument to an int using the floatToIntBits method in class Float, and then writes that int value to the underlying output stream as a 4-byte quantity, high byte first.
12	<u>void writeInt(int v)</u> This method writes an int to the underlying output stream as four bytes, high byte first.
13	<u>void writeLong(long v)</u> This method writes a long to the underlying output stream as eight bytes, high byte first.
14	<u>void writeShort(int v)</u> This method writes a short to the underlying output stream as two bytes, high byte first.
15	<u>void writeUTF(String str)</u> This method writes a string to the underlying output stream using modified UTF-8 encoding in a machine-independent manner.

Methods inherited

This class inherits methods from the following classes:

- java.util.FilterOutputStream
- java.util.Object
- java.util.DataOutput